
Core Input/Output Diagnostic (LD 137)

The message output format is: CIOD x y z, where: x = side, y = card and z = port

CIOD messages

CIOD0000	Overlay Program 137 has been loaded.
CIOD0001	Invalid command.
CIOD0002	Invalid argument.
CIOD0003	The device number is out-of-range. Enter 0 or 1.
CIOD0004 x	HDK x test failed. The hard disk on CMDU x failed the test. Action: Try the test again. If it fails three times, the CMDU needs to be replaced. Contact your technical support group.
CIOD0005	The requested device cannot be accessed due to a software error.
CIOD0006	That device is already enabled.
CIOD0007	That device is already disabled.
CIOD0008 x	FDK x failed. The floppy disk on CMDU x failed the test. Action: Try the test again. If it fails three times, the floppy drive needs to be replaced. Contact your technical support group.
CIOD0009	Failed to disable device.
CIOD0010	Related data (CMDU status) is mismatched due to a software error.
CIOD0011	IOP test failed. See fault reporting for the reason for the failure.

CIOD0012 x	Cannot access CMDU x because the system is in split mode. System must be redundant before attempting this command.
CIOD0013	The CMDU number is required. Action: Enter 0 or 1 to indicate which device.
CIOD0014	RDUN test failed because the disk contents are not synchronized. Action: Be sure to synchronize disks before attempting RDUN.
CIOD0015	ENL command failed, and device cannot be enabled, because it cannot be accessed. Action: Be sure device is enabled and cables are connected.
CIOD0016	RDUN command failed because the disk redundancy is in disabled state. Action: Enable the disk redundancy before using the RDUN command.
CIOD0017	SYNC command failed because the disk redundancy is in enabled state.
CIOD0018	SYNC command failed because of a software mismatch. Action: Contact your technical support group.
CIOD0019	SYNC command failed. Action: Refer to fault reporting for the reason for the failure.
CIOD0020	SYNC command failed because there is no system resource available at this time. Action: Try again later.
CIOD0021 xx	SYNC in progress. XX% complete. This is a status message. Synchronization may take a long time. This message helps indicate how far along the synchronization is.
CIOD0022 xxxx yy	CABLE yy is loose, or CMDU yy is inaccessible. The SCSI test was performed successfully on both sides. The test failed because of a loose cable or inaccessible CMDU. Whichever is applicable is printed. xxxx may be CABL or CMDU:CABL yy means that a cable is loose, or the status is unknown because both CMDUs are inaccessible. CMDU indicates that the CMDU is inaccessible.

- CIOD0023 Unable to switch to inactive CP. The current CP remains active. The SCSI test was performed on the active side only, and the switchover attempt failed. Refer to CIOD024 for active side information.
- CIOD0024 xxxx yy This message is associated with CIOD0023 message to display the cable status and CMDUs accessibility on the active side. The test had failed due to either cable is loose or inaccessible CMDU(s). If CMDU on the inactive side is inaccessible, it could be either CMDU is inaccessible or the cable between IOPs is loose.
- XXXX may be CABL or CMDU. The text string is variable in length and is depending on the parameter list of the failure components. CABL yy indicates cable might be loose which requires further investigation. CMDU yy indicates which CMDU is inaccessible, if applicable.
- CIOD0025 Unable to switch back to active CP. The SCSI test was performed on both side, but the system cannot return to the original active CP. The inactive CP is now active. Refer to CIOD026 for status.
- CIOD0026 xxxx yy This message displays cable status and CMDU accessibility for both sides due to the inability to switch back to the original active CP.
- XXXX can refer to CABL, or CMDU. Output may be one of the following:
- CMDU yy indicates which CMDU is inaccessible.
- CABL yy means the cable is loose, or the status is unknown.
- CIOD0027 SCSI test failed because an invalid address was detected for SCSI addressp6porp7.
- Action:** Check the drive and address.
- CIOD0028 No resource is available for overlay input processing.
- Action:** Try again later.
- CIOD0029 Both CMDUs are disabled.
- Action:** Enable a CMDU.
- CIOD0030 Disk redundancy (RDUN) file level check failed. The CMDU and/or disk redundancy cannot be enabled.
- CIOD0031 Abort delayed because a critical write is in progress. The abort will be delayed until the write is complete.
- CIOD0032 **Action:** To issue this command, the IOP must be enabled.

CIOD0033	Action: To test the IOP, it must be disabled.
CIOD0034	Action: To perform the Read/Write test, the CMDU must be enabled.
CIOD0035	That response is not allowed for this prompt. Action: Check the desired response and try again.
CIOD0036 xx	Read test in progress. XX% complete. This is a status message output during an exhaustive read test. This test may take a while, so this message helps keep track of the status.
CIOD0037 xx	Synchronization sector check in progress. XX% complete. This is a status message output during the check. This test may take a while, so this message helps keep track of the status.
CIOD0038	Card ID cannot be read. Action: Reseat or replace the card.
CIOD0039	SYNC command failed because both CMDUs are disabled.
CIOD0040 x	Cannot access CMDU x. Action: Be sure it is enabled, and check cabling.
CIOD0041 x	Unexpected signal x raised, interfering with LD 137. Action: Contact your technical service support.
CIOD0042	Synchronization failed because the system is in split mode.
CIOD0045	To issue the SWAP command, disk redundancy must be enabled.
CIOD0046	Unable to lockout graceful switchover possibility. The switchover was performed while the maintenance command is in progress.
CIOD0100	Valid cable loss. Store current CMDU states.
CIOD0101	SCSI cable reconnected. Cannot restore CMDU states because the IOP is disabled. Action: Re-enable IOP in LD 137 (ENL IOP, ENLT).
CIOD0102	CMDU states previously stored when IOP was disabled.
CIOD0103 x	CMDU x hard disk inaccessible. Cannot restore to standby. Action: Be sure CMDU power is on, and check IOP to IOP cables.

CIOD0104 x	CMDU x hard disk inaccessible. Cannot restore to active. Action: Be sure CMDU power is on, and check IOP to IOP cables.
CIOD0105 x	CMDU x cannot delete hard disk test file.
CIOD0106 x	CMDU x cannot delete floppy disk test file.
CIOD0107	No floppy disk in drive.
CIOD0108	Floppy disk not formatted.
CIOD0109	Floppy disk is Write Protected. Action: Be sure the write protect tab is closed.
CIOD0110 x	SCSI cable missing, both CMDUs are disabled. Action: Check both ends of the IOP to IOP cables.
CIOD0111 x	Valid cable reconnect. Attempting to restore CMDU states.
CIOD0112	Invalid cable loss. Multiple loss messages, states not stored.
CIOD0113	Invalid cable loss. CMDU accessible, states not stored.
CIOD0114 x	CMDU x hard disk has insufficient memory for quick read/write test.
CIOD0115 x	CMDU x floppy disk has insufficient memory for quick read/write test.
CIOD0116 x	CMDU x hard disk cannot open file for quick read/write test.
CIOD0117 x	CMDU x floppy disk cannot open file for quick read/write test.
CIOD0118 x	CMDU x could not read card ID.
CIOD0119 x	CMDU x floppy disk cannot create quick test file.
CIOD0120 x	CMDU x hard disk cannot create quick test file.
CIOD0121 x	CMDU x hard disk input buffer malloc err: quick test.
CIOD0122 x	CMDU x floppy disk input buffer malloc err: quick test.
CIOD0123 x	CMDU x is disabled due to fault monitoring. Action: Test and, if necessary, replace the CMDU.
CIOD0124 x	CMDU x is disabled because IOP to IOP cable loss.

Action: Check both ends of the cable.

CIOD0125 x CMDU x is disabled because the IOP is disabled.

Action: Re-enable the IOP from LD 137 (ENL IOP, ENLT).

CIOD0126 x CMDU x is disabled. Active CP cannot access Standby CMDU because system is in split mode.

CIOD0127 x CMDU x disabled because of exiting Split mode. The standby CMDU remains disabled.

CIOD0128 CMDU x disabled because of a hardware/software mismatch.

Action: Re-enable CMDU from LD 137.

CIOD0129 x CMDU x disabled because it could not access the hard disk. Be sure CMDU power is on.

Action: Check both ends of the IOP to CMDU SCSI cable.

CIOD0130 x CMDU x disabled because of a software mismatch.

Action: Re-enable CMDU from OVL 137 (ENL CMDU 0/1).

CIOD0131 x CMDU x restored to standby because the IOP was enabled.

CIOD0132 x CMDU x restored to active because the IOP was enabled.

CIOD0133 x CMDU x restored to standby.

CIOD0134 x CMDU x restored to active.

CIOD0135 x CMDU x is standby due to switchover.

CIOD0136 x CMDU x is active due to switchover.

CIOD0137 x CMDU x is standby due to warm start.

CIOD0138 x CMDU x is active due to warm start.

CIOD0139 x CMDU x is standby due to cold start.

CIOD0140 x CMDU x is active due to cold start.

CIOD0141 x CMDU x is disabled because it cannot access the hard disk due to cold start.

Action: Be sure CMDU power is on, and cables are in place.

CIOD0142 x	CMDU x is disabled because it cannot access the hard disk due to warm start. Action: Be sure CMDU power is on, and cables are in place.
CIOD0143 x	CMDU x is disabled because it cannot access the hard disk due to switchover. Action: Be sure CMDU power is on, and cables are in place.
CIOD0144 x	CMDU x is active due to cold start (was on standby).
CIOD0145 x	CMDU x is active due to warm start (was on standby).
CIOD0146 x	CMDU x is active due to switchover (was on standby).
CIOD0147 x	CMDU x is active due to fault monitoring (was on standby).
CIOD0148 x	CMDU x is disabled because system cold started in split mode.
CIOD0149 x	CMDU x is disabled because system warm started in split mode.
CIOD0150 x	CMDU x is disabled because system has switched over into split mode.
CIOD0151 x	Cannot restore CMDU x to standby state because system is in split mode.
CIOD0152 x	Cannot restore CMDU x to active state because system is in split mode.
CIOD0153 x	CMDU x active due to IOP enabling (was standby).
CIOD0154 x	CMDU x active due to SCSI cable reconnection (was on standby).
CIOD0155	Both CMDU hard disks are inaccessible Action: Be sure the CMDU power is on, and cables are in place.
CIOD0156	CMDU x became active (was standby).
CIOD0157	INFO: CMDU "a" is ACTIVE, RDUN is "b".
CIOD0158	CMDU x DISABLED: cannot access hard disk (warm start). Action: Check if CMDU plugged in and powered up.
CIOD0159	CMDU x DISABLED: cannot access hard disk (cold start). Action: Check if CMDU plugged in and powered up.
CIOD0160	CMDU was removed: automatically disabled.
CIOD0161	CMDU still disabled since it is not plugged in.

CIOD0162	CMDU x hdisk inaccessible: cannot restore to ACTIVE. Action: Check if CMDU plugged in and powered up.
CIOD0163	CMDU reinserted: but disabled since IOP disabled.
CIOD0164	Cluster number beyond normal range: {clustNum} {filename}
CIOD0165	Cluster incorrectly terminated: {clustNum} {filename}
CIOD0166	Cluster multiply assigned: {filename}
CIOD0167	File size longer than cluster chain: {fileName}
CIOD0168	Clusters lost in the FAT = {no of lostClusters}
CIOD0169	Illegal file name {oldName}, renamed as {newName}
CIOD0200	Security cartridge is missing or not responding. Action: Be sure the correct cartridge is on the IOP.
CIOD0201	Incorrect response from security cartridge. Action: Be sure it is installed correctly on the IOP.
CIOD0202	The wrong security cartridge was installed. Action: Be sure the correct one is on the IOP.
CIOD0203	Customer ID number mismatch. Action: Be sure the correct security cartridge is on the IOP.
CIOD0204	Machine type mismatch. Action: Be sure the correct security cartridge is on the IOP.
CIOD0205	System type or version number mismatch. Action: Be sure the correct security cartridge is on the IOP.
CIOD0206	System issue number mismatch. Action: Be sure the correct security cartridge is on the IOP.
CIOD0207	Security cartridge data not valid.
CIOD0208	Failed to read security cartridge.
CIOD0300	No IOP object can be created during HI OBJ creation phase.

CIOD0301 x y	IOP x in slot y is not responding. Action: Be sure IOP is enabled. Reseat or replace IOP if necessary.
CIOD0302 x y	IOP x in slot y detects both CMDUs becoming inaccessible. Action: Check both ends of the IOP to IOP cables. Check both CMDUs.
CIOD0303	IOP x in slot y detects either or both CMDUs becoming inaccessible.
CIOD0304	Cannot find IOP database file. Action: Restore database from backup disks.
CIOD0305	IOP x in slot y fails SCSI controller test. Action: Reseat or replace the IOP.
CIOD0306	IOP x in slot y fails to program/enable IOP BIC window. Action: Reseat or replace the IOP.
CIOD0307	IOP x in slot y cannot send message to IOP card. Action: Reinitialize system with manual INIT button.
CIOD0308	IOP x in slot y space manager cannot allocate CSR address. Action: Reload the system with the Manual reload button.
CIOD0309	IOP cannot write to IOP database file. Action: Check CMDU power.
CIOD0310	IOP cannot create binary semaphore for IP.
CIOD0311	IOP cannot create IOP class.
CIOD0312	IOP x in slot y cannot be created.
CIOD0313	IOP x in slot y cannot enable IOP.
CIOD0314 x	IOP Cannot open x database file.
CIOD0315 x	IOP x database file is empty.
CIOD0316 x	IOP release number is not found in x database file. Action: Restore database from backup disks.
CIOD0317 x y	IOP x in slot y security cartridge test failed.

Action: Reseat or replace security cartridge.

CIOD0318 x y IOP x in slot y fails to take SCSI low level semaphore.

CIOD0319 x y IOP x in slot y fails to give SCSI low level semaphore.

CIOD0320 x y IOP x in slot y fails to take SCSI high level semaphore.

CIOD0321 x y IOP x in slot y fails to give SCSI high level semaphore.

CIOD0322 x y IOP x in slot y timeout waiting for response from control register test.

Action: Reseat or replace the IOP.

CIOD0323 x y IOP x in slot y BIC test failed.

Action: Reseat or replace the IOP.

CIOD0324 x y IOP x in slot y timeout waiting for response from BIC test.

Action: Reseat or replace the IOP.

CIOD0325 x y IOP switchover graceful call failed with retCode n.

CIOD0339 x y IOP x in slot y SCSI cable test failed.

Action: Check software. Check both ends of the IOP to IOP SCSI cable and both CMDUs.

CIOD0341 x y IOP x in slot y fails to get IOP general register.

Action: Reseat or replace the IOP.

CIOD0343 x y IOP x in slot y fails to get general register.

Action: Reseat or replace the IOP.

CIOD0344 x y IOP x in slot y fails to set IPB/Local T/O, EI mapping, TOC or Arb ID.

Action: Reseat or replace the IOP.

CIOD0346 x y IOP x in slot y fails to read BIC card ID.

Action: Reseat or replace the IOP.

CIOD0347 x y IOP x in slot y space manager cannot allocate IPB address.

Action: Reload the system with the Manual reload button.

CIOD0348 x y IOP x in slot y fails to program SCSI controller.

Action: Check software.

CIOD0349 x y IOP x in slot y installing event interrupt ISR failure on CP.

CIOD0350 x y IOP x in slot y control register test failed.

Action: Rerun test and replace IOP if test fails again.

CIOD0351 x y IOP x in slot y timeout waiting for response from security cartridge test.

Action: Replace or reseal security cartridge on IOP/IODU.

CIOD0352 x y IOP x in slot y i timeout waiting for response from SCSI control test.

Action: Be sure IOP is enabled.

CIOD0353 x y IOP x in slot y timeout waiting for response from SCSI cable test.

Action: Check both ends of the IOP to IOP cable.

CIOD0354 Hunt: Illegal response from IOP to ping test message.

CIOD0355 Hunt: No response from IOP to ping test message.

CIOD0356 Hunt: Recognized IOP did not complete self-test.

CIOD0357 Hunt: Recognized IOP failed self-test.

CIOD0358 Hunt: IOP x y did not pass self-test.

CIOD0359 Hunt: IOP x y failed ping test.

CIOD0360 Hunt: No IOPs recognized on side x.

CIOD0361 IOP x in slot y: detects CMDU becoming accessible.

CIOD0362 IOP x in slot y: detects CMDU becoming inaccessible.

Action: Check CMDU for proper backplane seating.

CIOD0363 Ethernet has been restored to ACTIVE because the IOP is enabled.

CIOD0364 Ethernet has been disabled because the IOP is disabled.